## **Multiple-Choice**

Question: The graph of a proportional function is shown in the figure, then the

expression of this

function is ( )



A. 
$$y = x$$
 B.  $y = -2x$   
C.  $y = -x$  D.  $y = -\frac{1}{2}x$ 

**Answer:** C

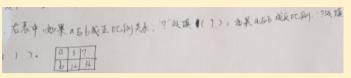
Category: Function Graphs

Real-World Challenge Level: 11

Image Quality Degradation: 7
Image Perspective Variation: 4

Content Interference: 0

## Fill-in-the-Blank



**Question:** In the table on the right, if a is directly proportional to b, the "?" should be filled with ( ); if a is inversely proportional to b, the "?" should be filled with ( ).

**Answer:** 9, 1

Category: Logical Reasoning

Real-World Challenge Level: 7
Image Quality Degradation: 1
Image Perspective Variation: 1

Content Interference: 5

## **Constructed-Response**

**Question:** In the figure below, if  $\angle 1 = 125^{\circ}$  and  $\angle 2 + \angle 3 = 230^{\circ}$ , what is the measure of  $\angle 4$ ? **Answer:** 95°

Category: Plane Geometry
Real-World Challenge Level: 7
Image Quality Degradation: 1
Image Perspective Variation: 5
Content Interference: 1